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WATER SUPPLY OUTLOOK FOR UTAH



U. S. DEPARTMENT of AGRICULTURE ★ SOIL CONSERVATION SERVICE

Collaborating with

UTAH STATE DEPARTMENT OF NATURAL RESOURCES
-- DIVISION OF WATER RIGHTS

Data included in this report were obtained by the agencies named above in cooperation with Federal, State and private organizations listed inside the back cover of this report.

AS OF
MAR. 1, 1975

TO RECIPIENTS OF WATER SUPPLY OUTLOOK REPORTS:

Most of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter and spring, several months before the snow melts and appears as streamflow. Since the runoff from precipitation as snow is delayed, estimates of snowmelt runoff can be made well in advance of its occurrence. Streamflow forecasts published in this report are based principally on measurement of the water equivalent of the mountain snowpack.

Forecasts become more accurate as more of the data affecting runoff are measured. All forecasts assume that climatic factors during the remainder of the snow accumulation and melt season will interact with a resultant average effect on runoff. Early season forecasts are therefore subject to a greater change than those made on later dates.

The snow course measurement is obtained by sampling snow depth and water equivalent at surveyed and marked locations in mountain areas. A total of about ten samples are taken at each location. The average of these are reported as snow depth and water equivalent. These measurements are repeated in the same location near the same dates each year.

Snow surveys are made monthly or semi-monthly from January 1 through June 1 in most states. There are about 1900 snow courses in Western United States and in the Columbia Basin in British Columbia. Networks of automatic snow water equivalent and related data sensing devices, along with radio telemetry are expanding and will provide a continuous record of snow water and other parameters at key locations.

Detailed data on snow course and soil moisture measurements are presented in state and local reports. Other data on reservoir storage, summaries of precipitation, current streamflow, and soil moisture conditions at valley elevations are also included. The report for Western United States presents a broad picture of water supply outlook conditions, including selected streamflow forecasts, summary of snow accumulation to date, and storage in larger reservoirs.

Snow survey and soil moisture data for the period of record are published by the Soil Conservation Service by states about every five years. Data for the current year is summarized in a West-wide basic data summary and published about October 1 of each year.

*Cover Photo: Cabins near Sacajawea Snow Course
in Bridger Mountains, Montana.*

SCS PHOTO 11-P480-15

PUBLISHED BY SOIL CONSERVATION SERVICE

The Soil Conservation Service publishes reports following the principal snow survey dates from January 1 through June 1 in cooperation with state water administrators, agricultural experiment stations and others. Copies of the reports for Western United States and all state reports may be obtained from Soil Conservation Service, West Technical Service Center, Room 111, 511 N.W. Broadway, Portland, Oregon 97209.

Copies of state and local reports may also be obtained from state offices of the Soil Conservation Service in the following states:

STATE	ADDRESS
Alaska	204 E. 5th. Ave., Room 217, Anchorage, Alaska 99501
Arizona	6029 Federal Building, Phoenix, Arizona 85025
Colorado (N. Mex.)	P. O. Box 17107, Denver, Colorado 80217
Idaho	Room 345, 304 N. 8th. St., Boise, Idaho 83702
Montana	P. O. Box 98, Bozeman, Montana 59715
Nevada	P. O. Box 4850, Reno Nevada 89505
Oregon	1218 S. W. Washington St., Portland, Oregon 97205
Utah	4012 Federal Bldg., 125 South State St., Salt Lake City, Utah 84138
Washington	360 U.S. Court House, Spokane, Washington 99201
Wyoming	P. O. Box 2440, Casper, Wyoming 82601

PUBLISHED BY OTHER AGENCIES

Water Supply Outlook reports prepared by other agencies include a report for California by the Water Supply Forecast and Snow Surveys Unit, California Department of Water Resources, P. O. Box 388, Sacramento, California 95802 --- and for British Columbia by the Department of Lands, Forests and Water Resources, Water Resources Service, Parliament Building, Victoria, British Columbia



WATER SUPPLY OUTLOOK FOR UTAH

and
FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

Issued by

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ADMINISTRATOR
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WASHINGTON, D.C.



Released by

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SALT LAKE CITY, UTAH

In Cooperation with

DEE C. HANSEN

STATE ENGINEER
DIVISION OF WATER RIGHTS
UTAH STATE DEPT. OF NATURAL RESOURCES



Report prepared by

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SOIL CONSERVATION SERVICE
SNOW SURVEY SECTION
4012 FEDERAL BUILDING
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PROSPECTIVE WATER SUPPLIES

Based on Snow Surveys Made on
UTAH and BEAR RIVER WATERSHEDS

MARCH 1, 1975

Approximate Date



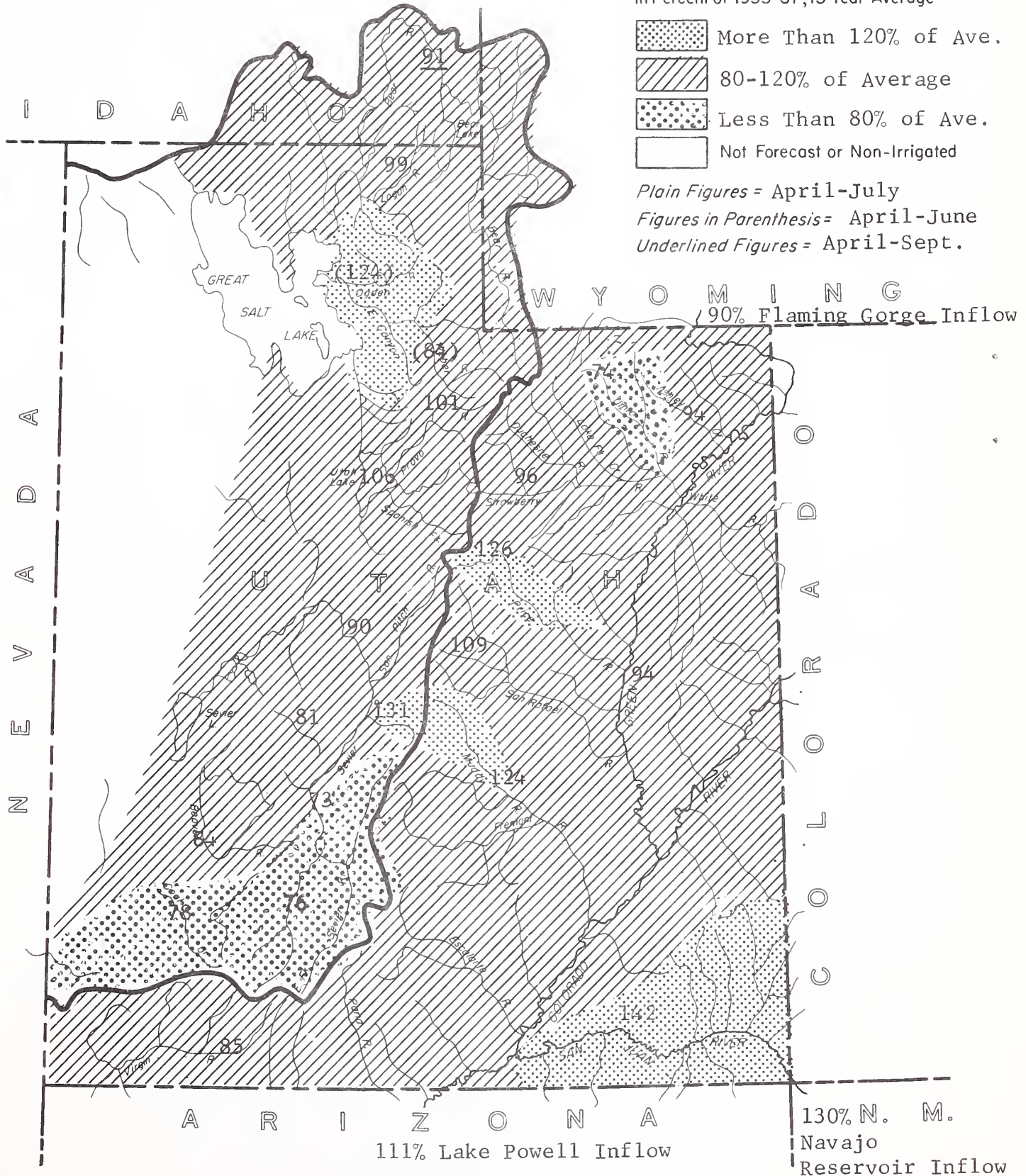
FORECAST STREAM FLOW
in Percent of 1953-67, 15 Year Average

- More Than 120% of Ave.
- 80-120% of Average
- Less Than 80% of Ave.
- Not Forecast or Non-Irrigated

Plain Figures = April-July

Figures in Parenthesis = April-June

Underlined Figures = April-Sept.



WATER SUPPLY OUTLOOK

as of
MARCH 1, 1975

* * * * *
* Utah's 1975 Water Supply Outlook ranges from below average in the *
* southwestern and northeastern part of the state to above average *
* on the Ogden River, Lost Creek, and Big Creek in northern Utah. *
* Snow varies from 79% of the March 1 average on the east end of the *
* Uintahs to 119% on the Ogden River. Reservoir storage is generally *
* above average but below last year. Streamflow forecasts range from *
* 155% on Big Creek near Randolph to 58% on the East Fork of the *
* Sevier for the April-July period. *
* * * * *

SNOW COVER

Snow cover ranges from 79% of the March 1 average on Ashley-Brush Creeks above Vernal to 119% for Ogden River. Most Uintah Basin watersheds are 3 to 13% below average. The Sevier snow cover varies from 82% on the South Fork to 113% on the Lower Sevier. Snow cover along the Wasatch Front above Salt Lake is now 115% of the March 1 average. Bear River is near average.

PRECIPITATION

Precipitation at mountain stations during February was near to above average for most areas except on the San Rafael, Beaver, Upper Sevier and Spanish Fork Rivers, which were below average.

RESERVOIR STORAGE

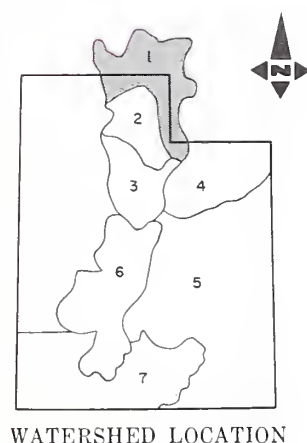
Reservoir storage is generally above average. Storage in 16 reservoirs totals 124% of the March 1 average for the 1958-72 period. The elevation of Great Salt Lake was 4199.90 feet above mean sea level or 0.30 foot lower than a year ago and 8.55 feet above the alltime low of October 1963. The Great Salt Lake rose 0.25 foot during February according to the U. S. Geological Survey.

STREAMFLOW FORECASTS

Streamflow forecasts range from 58% of average for the April-July period on the East Fork of the Sevier to 155% for Big Creek near Randolph. Uintah Basin and southwestern Utah forecasts range from 10 to 30% below average. Salina Creek, Muddy Creek, Price River, Ogden River, Little Bear River, Lost Creek, and Parley's Creek are 20 to 30% above average for the April-July period. Most other areas are near average.

Adequate water supplies should be available in all areas except in late season on the Upper Sevier, Coal Creek, Uintah and Whiterocks Rivers where some shortages can be expected.

UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE
UTAH STATE DEPARTMENT OF NATURAL RESOURCES-DIVISION OF WATER RIGHTS



THE WATER SUPPLY OUTLOOK IS NEAR AVERAGE

SOIL MOISTURE is slightly below average.

STREAMFLOW FORECASTS range from 90% of average on Thomas Fork to 155% on Big Creek near Randolph. Bear River is forecast at 91% of average at Utah-Wyoming State Line and Harer, Idaho. Logan River forecast is 99% and Blacksmith Fork is 94% of the April-July average. Little Bear is 126% of the April-June average.

BEAR RIVER BASIN in UTAH

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR			PAST RECORD	
	FORECAST		FORECAST PERIOD	THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average		Last Year	Average †
BEAR RIVER					
Bear at Harer, Idaho ¹	269	91	Apr-Sept	- -	297
Bear nr Randolph	96	94	Apr-July	162	102
Bear nr Ut-Wyo State Line	102	91	Apr-July	126	112
Bear nr Woodruff	120	92	Apr-July	186	131
Big Creek nr Randolph, Utah	6.5	155	Apr-July	- -	4.2b
Blacksmith Fork nr Hyrum	45	94	Apr-July	71	48
Little Bear nr Paradise	43	126	Apr-June	53	34
Logan nr Logan ¹	112	99	Apr-July	153	113
Smith's Fork nr Border, Wyo.	109	94	Apr-Sept	- -	116
Thomas Fork nr Ut-Wyo State Line	29	90	Apr-Sept	- -	32
Woodruff Crk nr Woodruff, Ut	15.8	103	Apr-July	20	15.4
1 - Observed flow corrected for change in storage and diversions					
b - Average of all past record - less than 15 years					

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF	
		Last Year	Average
UPPER BEAR RIVER	7	93	97
LOWER BEAR RIVER	19	87	108
LOGAN RIVER	5	87	100

RESERVOIR STORAGE (Thousand Acre Feet) MID-MONTH READING

BASIN OR STREAM	RESERVOIR	Usable Capacity	USEABLE STORAGE		
			This Year	Last Year	Average †
BEAR RIVER	Bear Lake	1421.0	1087.5	1089.6	958.3
	Woodruff Narrows	26.5	19.2	26.5	21.6
LITTLE BEAR	Hyrum	15.3	10.3	10.5	10.7
	Porcupine	11.3	4.4	5.5	3.6
+ - 1958-72 15-Year Average Period					

PEAK FLOWS

FORECAST POINT	PEAK FLOW (SECOND FEET)	
	Forecast Range	Average †
Big Creek near Randolph	54-94	41b
Logan River near Logan	850-1150	984
Woodruff Creek near Woodruff	200-400	240
Little Bear near Paradise	500-700	473

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SOIL CONSERVATION SERVICE

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Salt Lake City, Utah 84138

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WEBER-OGDEN WATERSHEDS in UTAH

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR		FORECAST PERIOD	PAST RECORD	
	FORECAST			THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average		Last Year	Average †
WEBER-OGDEN RIVERS					
Chalk Creek at Coalville	24	75	Apr-June	60	32
East Canyon Creek nr Morgan ¹	26	118	Apr-June	28	22
Hardscrabble Crk nr Porterville	21	145	Apr-June	- -	14.4b
Lost Creek nr Croydon, Utah	18.0	131	Apr-June	- -	13.7
Pineview Reservoir Inflow ²	136	124	Apr-June	165	110
South Fork Ogden nr Huntsville	69	138	Apr-June	62	50
Rockport Reservoir Inflow ¹	96	84	Apr-June	- -	110
Weber nr Coalville	93	84	Apr-June	- -	111
Weber nr Oakley	88	86	Apr-June	127	100
JORDAN RIVER & SALT LAKE					
Farmington Crk nr Farmington	9.1	117	Apr-July	- -	7.8
1 - Observed flow corrected for change in storage and diversions 2 - Inflow record as computed by U. S. Bureau of Reclamation b - Average of all past record - less than 15 years					

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF	
		Last Year	Average
OGDEN RIVER	5	92	119
WEBER RIVER	10	97	114

RESERVOIR STORAGE (Thousand Acre Feet) MID-MONTH READING

BASIN OR STREAM	RESERVOIR	Usable Capacity	USEABLE STORAGE		
			This Year	Last Year	Average †
OGDEN	Causey	6.9	1.3	1.5	2.2
	Pineview	110.1	53.0	37.8	40.6
WEBER	East Canyon	48.1	37.3	40.1	19.5
	Echo	73.9	64.8	53.4	43.5
	Lost Creek	20.0	12.8	14.2	12.6
	Rockport	60.9	33.2	50.5	27.6
	Willard Bay	193.3	155.1	158.1	121.5
+ - 1958-72 15-Year Average Period					

PEAK FLOWS

FORECAST POINT	PEAK FLOW (SECOND FEET)	
	Forecast Range	Average †
Lost Creek near Croydon	225-350	206b
South Fork Ogden nr Huntsville	750-950	697
Chalk Creek near Coalville	200-450	373

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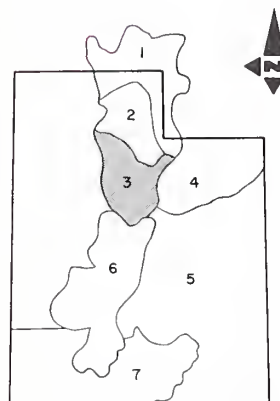
"The Conservation of Water begins with the Snow Survey"

WATER SUPPLY OUTLOOK

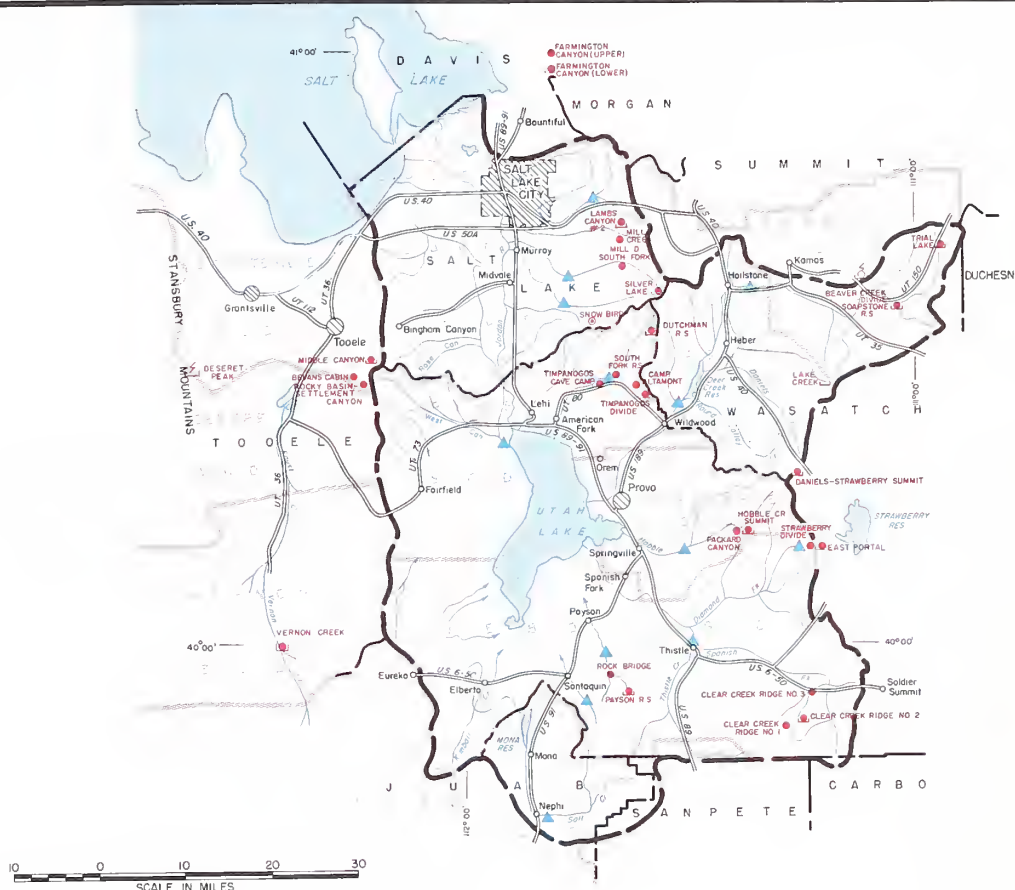
UTAH LAKE, JORDAN RIVER and TOOELE VALLEY WATERSHEDS in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE
UTAH STATE DEPARTMENT OF NATURAL RESOURCES-DIVISION OF WATER RIGHTS

- LEGEND**
- Watershed Boundary
 - - - S. C. D. Boundary
 - - - County Boundary
 - ▲ Forecast Point
 - Snow Course
 - + Aerial Marker
 - Soil Moisture Station
 - SCS Precipitation Gage
 - NWS Precipitation Gage
 - Temperature Gage
 - Snow Sensor
 - Radio Telemetry
 - Radio Base Station
 - Radio Relay Station
 - Snow Sensor with Snow Course



WATERSHED LOCATION



MARCH 1, 1975

THE WATER SUPPLY OUTLOOK IS NEAR AVERAGE

SNOW COVER totals 115% of average and 95% of last March 1 for Utah Lake watershed and Jordan River tributaries above Salt Lake. Tooele Valley is 118% of average and 77% of last March 1.

PRECIPITATION at mountain stations during January was slightly below average on Spanish Fork and Middle Canyon above Tooele. Provo River stations were 7 to 11% above average and American Fork 35% above average.

SOIL MOISTURE is near average.

RESERVOIR STORAGE is above average in Utah Lake and Strawberry but 10% below average at Deer Creek for March 1. Utah Lake is 0.83 feet below compromise at 805,900 acre-feet.

STREAMFLOW FORECASTS are near average ranging from 89% of the April-July average for Strawberry Inflow to 129% of the March-July average for Vernon Creek. Utah Lake Inflow is expected to be 220,000 feet (106%) during the April-July period and the Provo at Hailstone 101% of average. Payson Creek is expected to be 95% of average and Spanish Fork 109%. Streams along the Salt Lake front range from average on Little Cottonwood to 28% above average on Parley's Creek.

Report prepared by
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FEDERAL BLDG. ROOM 4012 - SALT LAKE CITY, UTAH 84138

UTAH LAKE, JORDAN RIVER and TOOELE VALLEY WATERSHEDS in UTAH

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR		FORECAST PERIOD	PAST RECORD	
	FORECAST	FORECAST		THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average		Last Year	Average ⁺
PROVO RIVER & UTAH LAKE					
American Fork nr American Frk	27	93	Apr-July	- -	29
Hobble Creek nr Springville	16.0	100	Apr-July	- -	16
Provo nr Hailstone ¹	103	101	Apr-July	- -	102
Provo below Deer Creek Dam ¹	113	102	Apr-July	- -	111
Spanish Fork at Thistle	35	109	Apr-July	- -	32
Strawberry Reservoir Inflow ¹	40	89	Apr-July	- -	45
Utah Lake Inflow	220	106	Apr-July	- -	208
Payson Creek nr Payson	6.0	95	Apr-July	- -	6.3 ^b
JORDAN RIVER & SALT LAKE					
Big Cottonwood nr SLC	38	106	Apr-July	- -	36
Farmington Crk nr Farmington	9.1	117	Apr-July	- -	7.8 ^b
Little Cottonwood Crk nr SLC	35	100	Apr-July	- -	35
Parley's Creek nr SLC	15.0	128	Apr-July	- -	11.7
TOOELE VALLEY					
Settlement Creek nr Tooele	Apr. 1		Apr-July	- -	2.2 ^b
Vernon Creek nr Vernon	0.9	129	Mar-July	- -	0.7 ^b

1 - Observed flow corrected for change in storage and diversions

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF	
		Last Year	Average
PROVO RIVER & UTAH LAKE	14	95	115
JORDAN RIVER & SALT LAKE	4	88	115
TOOELE VALLEY	1	77	118

RESERVOIR STORAGE (Thousand Acre Feet) MID-MONTH READING

BASIN OR STREAM	RESERVOIR	Useable Capacity	USEABLE STORAGE		
			This Year	Last Year	Average ⁺
SPANISH FORK	Strawberry	270.0	211.0	213.2	116.4
UTAH LAKE	Utah Lake	883.9	805.9	880.1	604.0
	Settlement Creek	1.2	1.1	1.0	- -
	Vernon Creek	0.6	0.5	- -	- -
PROVO	Deer Creek	149.7	85.9	116.7	95.3

+ - 1958-72 15-Year Average Period

b - Average of all past record - less than 15 years

PEAK FLOWS

FORECAST POINT	PEAK FLOW (SECOND FEET)	
	Forecast Range	Average ⁺
Hobble Creek near Springville	120-380	210
Spanish Fork near Thistle	200-500	365

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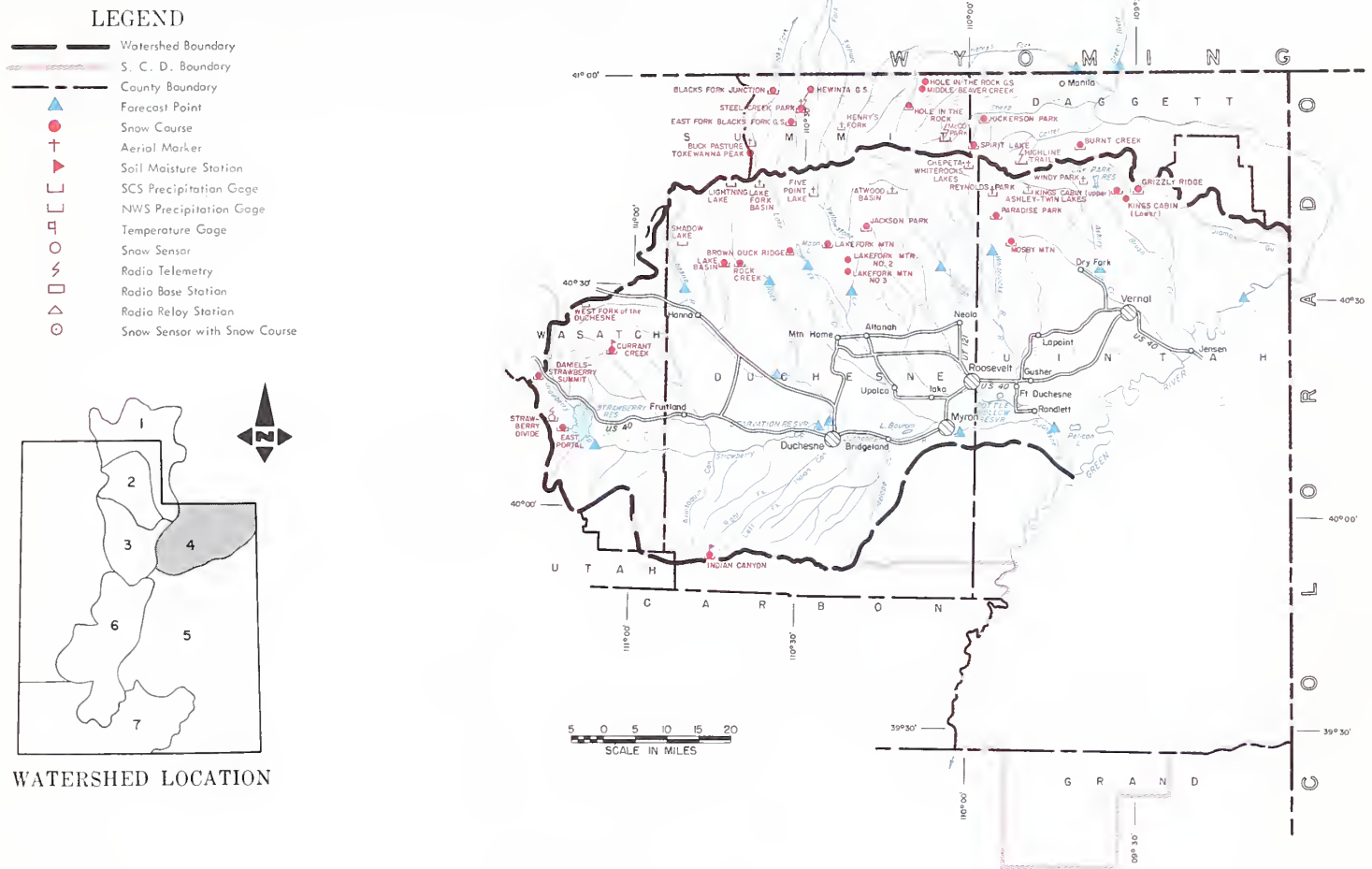
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WATER SUPPLY OUTLOOK

UINTAH BASIN and DAGGETT SCD's in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE
UTAH STATE DEPARTMENT OF NATURAL RESOURCES-DIVISION OF WATER RIGHTS



THE WATER SUPPLY OUTLOOK IS NEAR AVERAGE TO BELOW AVERAGE

SNOW COVER varies from 87% of the March 1 average on Lakefork-Yellowstone drainages to 101% on Strawberry River. Uinta-Whiterocks is 98% of the March 1 average. Aerial snow depth markers were not flown due to poor weather prior to the printing of this bulletin.

SOIL MOISTURE is slightly below average.

RESERVOIR STORAGE is below average with 17,300 acre-feet in Steinaker and only 8,700 acre-feet in Moon Lake as of March 1. Storage is Flaming Gorge is 3,081,000 acre-feet. is a little above last March 1.

STREAMFLOW FORECASTS range from 72% of the April-July average on Whiterocks to 97% on Rock Creek. Duchesne at Tabiona is forecast at 91% of average, Lakefork at 87%, Yellowstone at 88% and the Uinta 74% of the April-July average. Ashley Creek is forecast at 94% for the April-July period and Henry's Fork at 89% of the April-September average.

UINTAH BASIN and DAGGETT SCD's in UTAH

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR		FORECAST PERIOD	PAST RECORD	
	FORECAST	FORECAST		THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average		Last Year	Average †
DUCHESNE RIVER					
Duchesne nr Tabiona ¹	95	91	Apr-July	- -	104
Duchesne at Duchesne ¹	170	92	Apr-July	- -	185
Duchesne at Myton ¹	185	90	Apr-July	- -	205
Duchesne at Randlett ¹	200	91	Apr-July	- -	220
Lakefork below Moon Lake ¹	60	87	Apr-July	- -	69
Rock Creek nr Mtn. Home	91	97	Apr-July	- -	94
Strawberry at Duchesne	54	96	Apr-July	- -	56
Uinta nr Neola	65	74	Apr-July	- -	88
Whiterocks nr Whiterocks	42	72	Apr-July	- -	58
Yellowstone nr Altonah	57	88	Apr-July	- -	65
FLAMING GORGE TO DUCHESNE RIVER					
Ashley Creek nr Vernal	47	94	Apr-July	- -	50
Henry's Fork at Linwood	40	89	Apr-Sept	- -	45
Flaming Gorge Inflow	1060	90	Apr-July	- -	1174
1 - Observed flow corrected for change in storage and diversions					

SUMMARY of SNOW MEASUREMENTS

(COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF	
		Last Year	Average
DUCHESNE RIVER - TOTAL	9	106	97
LAKEFORK-YELLOWSTONE CREEKS	3	110	87
STRAWBERRY RIVER	3	86	101
UINTA - WHITEROCKS RIVERS	2	151	93

RESERVOIR STORAGE (Thousand Acre Feet) MID-MONTH READING

BASIN OR STREAM	RESERVOIR	Usable Capacity	USEABLE STORAGE		
			This Year	Last Year	Average †
ASHLEY CREEK	Steinaker	33.3	17.3	26.9	20.8
GREEN RIVER	Flaming Gorge	3749.0	3081.0	2968.0	1588.0
LAKE FORK	Moon Lake	35.8	8.7	24.3	17.8
STRAWBERRY	Starvation	165.3	89.1	125.2	- -
UINTAH	Bottle Hollow	11.3	9.5a	10.8a	- -

b - Average of all past record - less than 15 years
+ - 1958-72 15-Year Average Period

PEAK FLOWS

FORECAST POINT	PEAK FLOW (SECOND FEET)	
	Forecast Range	Average †
Ashley Creek nr Vernal	450-850	906
Strawberry at Duchesne	400-850	628

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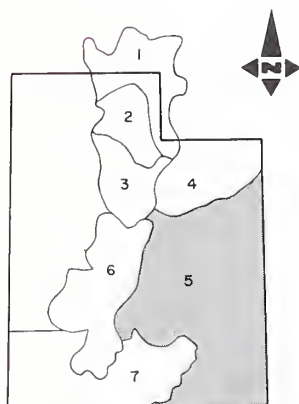
WATER SUPPLY OUTLOOK

CARBON, EMERY, WAYNE, GRAND and SAN JUAN COUNTIES in UTAH

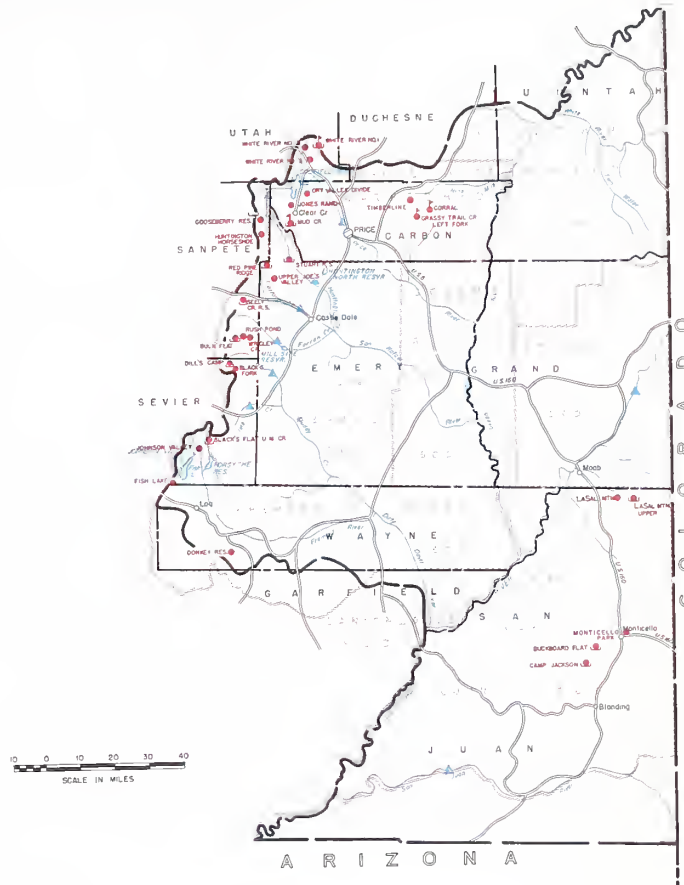
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LEGEND

- Watershed Boundary
- - - S. C. D. Boundary
- - - County Boundary
- ▲ Forecast Point
- Snow Course
- + Aerial Marker
- Soil Moisture Station
- SCS Precipitation Gage
- NWS Precipitation Gage
- Temperature Gage
- Snow Sensor
- Radio Telemetry
- Radio Base Station
- Radio Relay Station
- Snow Sensor with Snow Course



WATERSHED LOCATION



MARCH 1, 1975

THE WATER SUPPLY OUTLOOK IS NEAR AVERAGE

SNOW COVER varies from 99% of the March 1 average on Mill Creek near Moab to 122% on the San Juan River. The San Rafael River is 103% and the Price River is 112% of the March 1 average.

PRECIPITATION at mountain stations was above average during January on Price River and below average on most San Rafael stations.

SOIL MOISTURE is near average.

RESERVOIR STORAGE is a little above the 15-year average for March 1 but less than last March 1.

STREAMFLOW FORECASTS range from 94% of the April-July average for the Green at Green River, Utah to 142% for the San Juan at Bluff. Scofield Inflow is expected to be 126% of average, Huntington and Cottonwood Creeks 109% and Ferron Creek 106% of average. Muddy Creek is expected to be 124% of average, Mill Creek near Moab 127% and Seven Mile Creek 112% of the April-July average.

CARBON, EMERY, WAYNE, GRAND and SAN JUAN COUNTIES in UTAH

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR		FORECAST PERIOD	PAST RECORD	
	FORECAST			THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average		Last Year	Average †
<u>PRICE RIVER</u>					
Gooseberry Creek nr Scofield	12.6	126	Apr-July	- -	10.0
Price nr Heiner ¹	78	122	Apr-July	- -	64b
Scofield Reservoir	43	126	Apr-July	- -	34
<u>SAN RAFAEL RIVER</u>					
Cottonwood Crk nr Orangeville	50	109	Apr-July	- -	46b
Ferron Creek nr Ferron	37	106	Apr-July	31	35
Huntington Creek nr Huntington	49	109	Apr-July	- -	45
<u>MUDDY RIVER</u>					
Muddy Creek nr Emery	21	124	Apr-July	- -	17.0
<u>UPPER COLORADO BASIN</u>					
Colorado nr Cisco, Utah	3400	120	Apr-July	2434	2835
Green at Green River, Utah	2662	94	Apr-July	- -	2839
Navajo Reservoir Inflow	775	130	Apr-July	- -	597
San Juan nr Bluff, Utah	1207	142	Apr-July	- -	853
Mill Creek nr Moab	6.2	127	Apr-July	5.8	4.9
<u>FREMONT RIVER</u>					
Seven Mile Creek nr Fish Lake	7.2	112	Apr-July	- -	6.4b

SUMMARY of SNOW MEASUREMENTS

(COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and or SUB-WATERSHED	Number of Gauges Averaged	THIS YEAR AS A PERCENT OF	
		Last Year	Average
PRICE RIVER	7	88	112
SAN RAFAEL RIVER	6	86	103
MILL CREEK	2	64	99
SAN JUAN RIVER	2	112	122

1 - Observed flow corrected for change in storage and diversions

RESERVOIR STORAGE (Thousand Acre Feet) MID-MONTH READING

BASIN OR STREAM	RESERVOIR	Usable Capacity	USEABLE STORAGE		
			This Year	Last Year	Average †
<u>PRICE RIVER</u>	Scofield	65.8	32.9	44.0	30.0
<u>SAN RAFAEL</u>	Huntington North	3.9	3.7	2.8	2.2
	Joe's Valley	54.6	35.6	38.7	31.6
	Mill Site	16.7	3.6	5.4	- -
<u>SAN JUAN</u>	Navajo	1696.0	935.0	987.0	- -

+ - 1958-72 15-Year Average Period

b - Average of all past record - less than 15 years

PEAK FLOWS

FORECAST POINT	PEAK FLOW (SECOND FEET)	
	Forecast Range	Average †
Ferron Creek near Ferron	380-670	419
Muddy Creek near Emery	127-255	157

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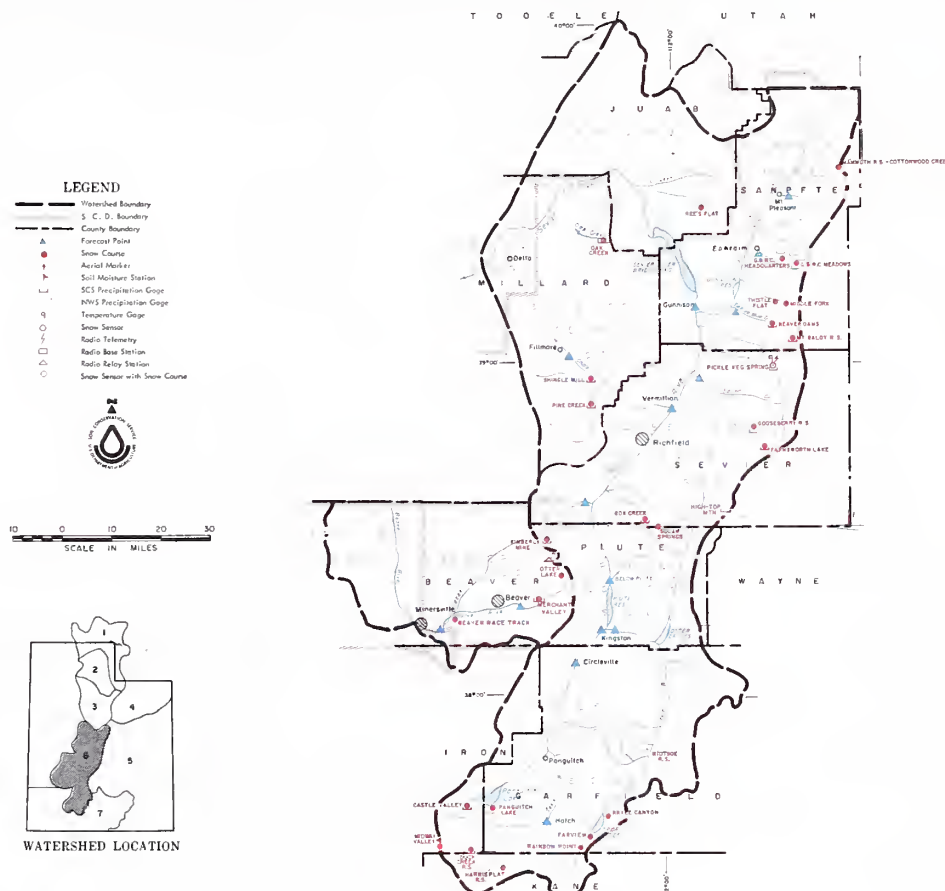
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WATER SUPPLY OUTLOOK

SEVIER RIVER BASIN including BEAVER RIVER in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE
UTAH STATE DEPARTMENT OF NATURAL RESOURCES-DIVISION OF WATER RIGHTS



MARCH 1, 1975

THE WATER SUPPLY OUTLOOK IS BELOW AVERAGE TO NEAR AVERAGE

SNOW COVER varies from 82% of average on the South Fork Sevier to 113% on the Lower Sevier. Beaver River snow cover is 97% of the March 1 average. Chalk Creek is 107% of average.

PRECIPITATION at mountain stations was below average on the Upper Sevier and Beaver Rivers and a little above average on the Lower Sevier.

SOIL MOISTURE is below average on the Upper Sevier and Beaver Rivers and near average on the Lower Sevier.

RESERVOIR STORAGE in the three main Sevier Reservoirs (Otter Creek, Piute, and Sevier Bridge) totals 136% of the March 1 average but only 72% of last March 1. Gunnison is 99% of average but only 66% of last March 1. Minersville Reservoir is 84% of average and only about half as much as last year at this time.

STREAMFLOW FORECASTS range from 56% of the April-June average for the Inflow Kingston to Vermillion Dam to 131% on Salina Creek. Other Sevier River forecasts are 76% at Hatch, 73% at Kingston, 58% East Fork and 90% near Gunnison. Ephraim and Pleasant Creeks are forecast at 115% and 117% respectively. Beaver River is forecast at 84% of the April-July average and Minersville Reservoir Inflow is expected to be about 3500 acre-feet (60%) during the April-June period.

SEVIER RIVER BASIN including BEAVER RIVER in UTAH

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR		FORECAST PERIOD	PAST RECORD	
	FORECAST			THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average		Last Year	Average +
SEVIER RIVER					
Chalk Creek nr Fillmore	12.6	81	Apr-July	- -	15.5b
Clear Crk nr Sevier (abv Div)	12.8	85	Apr-July	- -	15.0
East Fork Sevier nr Kingston	8.4	58	Apr-July	- -	14.4
Antimony Creek nr Antimony Inflow	5.8	79	Apr-July	- -	7.3
Kingston to Vermillion Dam	28	56	Apr-June	- -	50
Vermillion Dam to Gunnison	40	103	Mar-June	- -	39
Salina Creek at Salina	10.6	131	Apr-June	- -	8.1b
Sevier nr Circleville	24	86	Apr-July	- -	28
Sevier nr Gunnison	35	90	Apr-July	- -	39
Sevier at Hatch	31	76	Apr-July	- -	41
Sevier nr Kingston	15.4	73	Apr-July	- -	21
Sevier below Piute Dam ¹	22	67	Apr-July	- -	33
SAN PITCH RIVER					
Ephraim Creek nr Ephraim	16.0	115	Apr-July	- -	13.9b
Pleasant Creek nr Mt. Pleasant	9.1	117	Apr-July	- -	7.8
BEAVER RIVER					
Beaver nr Beaver	16.8	84	Apr-July	- -	20
Minersville Reservoir Inflow ¹	3.5	60	Apr-June	- -	5.8

RESERVOIR STORAGE (Thousand Acre Feet) MID-MONTH READING

BASIN OR STREAM	RESERVOIR	Usable Capacity	USEABLE STORAGE		
			This Year	Last Year	Average +
SEVIER RIVER	Gunnison	18.2	12.1	18.2	12.2
	Otter Creek	52.5	30.7	49.0	29.4
	Piute	71.8	38.3	53.6	43.0
	Sevier Bridge	236.0	165.4	224.4	100.0
BEAVER RIVER	Minersville (Rky Fd)	23.3	10.9	21.1	13.0

b - Average of all past record - less than 15 years
 + - 1958-72 15-Year Average Period

FORECAST DATE OF LOW FLOW VALUES

FORECAST POINT	Low Flow Value Second/Ft.	Forecast Date Stream Will Recede to Low Flow Value	Average Date of Low Flow Value
Clear Crk nr Sevier-above Div.	5	July 6	July 28
Salina Crk at Salina	25	June 12	June 10
Sevier at Circleville	90	June 10	June 24
Sevier at Hatch (upper)	100	June 20	July 10

SUMMARY of SNOW MEASUREMENTS

(COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF	
		Last Year	Average
UPPER SEVIER RIVER	12	85	87
East Fork Sevier	6	84	94
South Fork Sevier	6	87	82
LOWER SEVIER RIVER	9	77	113
CHALK CREEK	2	64	107
BEAVER CREEK	3	76	97

PEAK FLOWS

FORECAST POINT	PEAK FLOW (SECOND FEET)	
	Forecast Range	Average +
Beaver near Beaver	100-300	212
Clear Creek near Sevier	150-200	170
Salina Creek near Salina	200-275	235
Sevier River at Hatch	250-460	418
Sevier River at Circleville	180-390	304
Sevier River at Kingston	120-220	263

PRIMARY WATER RIGHT FORECASTS (PERCENT OF WATER RIGHT DELIVERED)

RIVER SECTION	Percent Forecast For This Year	Average Percent Delivered During 15 year Period +	Forecast Period
SEVIER RIVER			
Below Vermillion Dam	50	55	April-Sept.
Circle Valley	62	65	April-Sept.
Panguitch Valley	88	82	April-Sept.
Sevier Valley	36	38	April-Sept.

Inflow to Sevier Bridge Reservoir October 1 to March 31* expected to be 80,000 to 90,000 acre-feet.

Below Vermillion - Flow above 360 second feet should total about 1800-2500 acre-feet.

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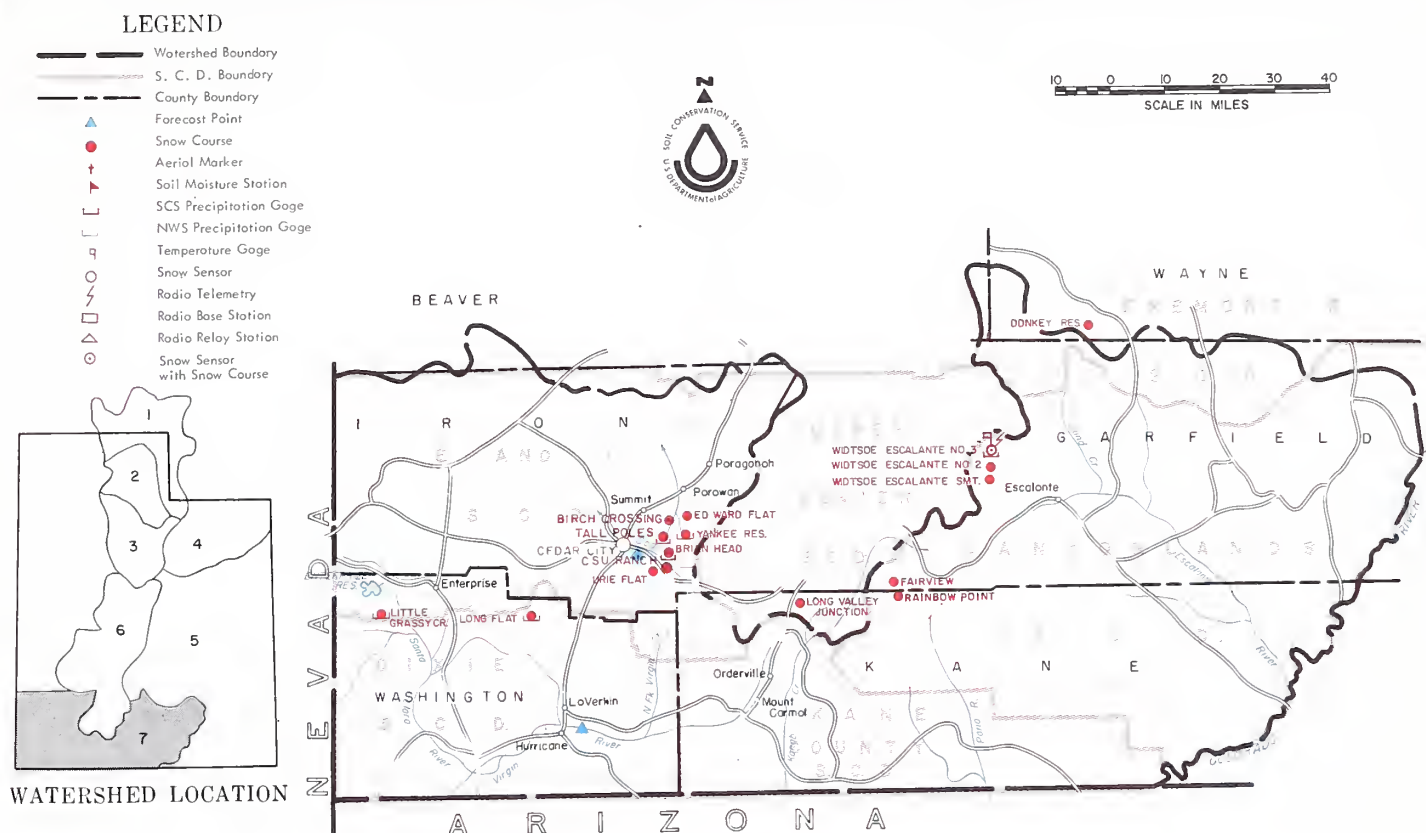
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WATER SUPPLY OUTLOOK

EAST GARFIELD, KANE, WASHINGTON and IRON COUNTIES in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE
UTAH STATE DEPARTMENT OF NATURAL RESOURCES-DIVISION OF WATER RIGHTS



MARCH 1, 1975

THE WATER SUPPLY OUTLOOK IS BELOW AVERAGE

SNOW COVER varies from 88% of average on Coal Creek to 128% on Enterprise - New Harmony drainages. Parowan Creek is 101% of average and Virgin River is 91% of the March 1 average.

PRECIPITATION at mountain stations varied from 133% of the January average on Parowan Creek to 96% of average on Coal Creek and the Virgin River.

SOIL MOISTURE is below average.

RESERVOIR STORAGE in Lake Powell is 17,199,000 acre-feet. Last March 1 it held 18,089,000 acre-feet.

STREAMFLOW FORECASTS improved during February and now range from 78% of average on Coal Creek to 111% for Lake Powell Inflow. Virgin River is forecast at 85% of the April-June average and Santa Clara at 97% of average. Maximum mean daily snow melt peak flows are expected to be below average this season.

EAST GARFIELD, KANE, WASHINGTON and IRON COUNTIES in UTAH

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR		FORECAST PERIOD	PAST RECORD	
	FORECAST			THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average		Last Year	Average ⁺
<u>VIRGIN RIVER</u>					
Virgin nr Virgin	41	85	Apr-June	- -	48b
Santa Clara nr Pine Valley	3.5	97	Apr-June	- -	3.6b
<u>COAL CREEK</u>					
Coal Creek nr Cedar City	12.5	78	Apr-July	- -	16.1
<u>UPPER COLORADO</u>					
Lake Powell Inflow	7607	111	Apr-July	- -	6881

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF	
		Last Year	Average
COAL CREEK	2	93	88
VIRGIN RIVER	2	80	91
PAROWAN CREEK	2	71	101
ENTERPRISE - NEW HARMONY	2	73	128

RESERVOIR STORAGE (Thousand Acre Feet) MID-MONTH READING

BASIN OR STREAM	RESERVOIR	Usable Capacity	USEABLE STORAGE		
			This Year	Last Year	Average ⁺
<u>COLORADO</u>	Lake Powell	25002.0	17199.0	17597.0	8401b
	Blue Mesa	829.5	367.6	347.3	- -
b - Average of all past record - less than 15 years					
+ - 1958-72 15-Year Average Period					

PEAK FLOWS

FORECAST POINT	PEAK FLOW (SECOND FEET)	
	Forecast Range	Average ⁺
Coal Creek	75-250	245
Virgin River	400-650	631b

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SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST RECORD		PRECIPITATION (Inches)						
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)		CURRENT INFORMATION			FROM APPROX. OCT 1 TO DATE			
				Last Year	Average †	Date of Reading	Month's Precipitation	Average †	This Year	Average †	Percent of Average	
NAME												
GREAT BASIN												
UPPER BEAR RIVER												
(Above Harer, Idaho)												
Big Park	2/28	59	18.0	18.9	18.2							
Burts-Miller Ranch	2/28	21	4.6	- -	5.9	2/28	1.03	- -	6.75	- -	- -	
CCC Camp	2/24	43	11.4	11.2	11.1							
Hayden Fork	2/28	48	14.1	- -	16.2	2/28	3.72	- -	17.27	- -	- -	
Kelly Ranger Station*	2/28	54	16.9	17.3	16.2a	2/21	5.50	- -	- -	- -	- -	
LaBarge Guard Station	2/24	81	26.3	29.6	- -							
Monte Cristo Ranger Station	2/26	62	22.0	26.4	22.2	2/28	4.69	4.62b	21.73	22.89b	95	
Piney-LaBarge #2	2/24	65	19.9	20.2	20.9a							
Poison Meadows	2/24	81	23.1	25.2	26.2							
Salt River Summit	2/25	51	14.2	15.1	14.6	2/25	3.65	3.36	14.45	14.17	102	
Stillwater Camp	2/28	38	9.2	- -	11.3	2/28	2.03	- -	10.47	- -	- -	
LOWER BEAR RIVER												
(Below Harer, Idaho)												
Christensen Ranch	3/3	34	10.1	12.4	7.7							
Clarkston Mountain*						2/21	4.90					
Cub River Ranger Station	3/3	35	11.0	14.3	8.0							
Deer Springs*						2/21	4.90					
Dry Basin	3/3	75	25.1	30.8	25.3							
Dry Creek Flat	2/28	36	10.3	10.9	6.6							
Emigrant Summit	2/26	69	22.6	26.8	21.4a							
Emigration Canyon	2/26	37	10.5	10.4	9.7a							
Franklin Basin*	3/3	64	22.9	27.4	- -							
Garden City Summit	3/3	39	12.4	18.6	16.1	3/3	3.98	4.00b	15.32	16.68	92	
George Peak	3/3	82	32.3	- -	- -							
Horseshoe Basin	3/3	66	22.1	25.0	23.2							
Klondike Narrows	3/3	55	18.0	19.8	17.9							
Liberty Springs	3/3	96	33.4	42.0	33.8							
Little Bear (lower)	2/26	38	10.2	13.6	10.1							
Little Bear (upper)*	2/26	42	11.8	15.2	9.8	2/21	5.60	- -	- -	- -	- -	
Oxford Mountain	2/28	40	11.2	10.0	8.9							
Slug Creek Divide	2/27	54	15.3	13.8	14.7	2/27	4.29	- -	- -	- -	- -	
Steep Hollow #1	3/3	92	33.2	35.1	30.8b							
Steep Hollow #2	3/3	70	24.4	26.8	22.9b							
Strawberry Creek	2/26	39	11.5	14.1	9.6							
Strawberry Mink Divide	3/3	63	21.6	24.4	18.5							
Tony Grove Lake*						2/21	7.70	- -	- -	- -	- -	
Tony Grove Ranger Station*	3/3	37	11.2	13.2	11.2	2/21	4.30	2.52a	- -	- -	- -	
Willow Flat	3/3	51	17.1	19.7	13.2							
OGDEN RIVER												
Beaver Creek-Skunk Creek	2/26	39	13.0	13.3	10.7							
Ben Lomond (lower)	2/26	53	14.7	19.2	13.0	2/28	5.56	4.44b	21.59	21.25	102	
Ben Lomond Peak	2/26	87	29.0	- -	30.1							
Causey Dam						2/28	2.45	2.96a	11.29	12.03a	94	
Cutler Creek	2/26	80	26.1	28.0	23.4b							
Dry Bread Pond	2/26	57	19.2	17.8	15.5	2/28	4.47	3.91b	19.88	17.21b	116	
Guilder's Peak*						2/21	3.90	- -	- -	- -	- -	
Magpie Flat*						2/21	4.10	- -	- -	- -	- -	
Middle Fork Ogden*						2/21	7.30	- -	- -	- -	- -	
Sagebrush Flat	2/26	24	6.7	7.8	4.4	2/26	3.01	2.71	12.73	12.04	106	
WEBER RIVER												
Beaver Creek Ranger Station	2/28	31	8.4	9.1	7.7							
Chalk Creek #1	2/28	58	16.9	21.1	18.1							
Chalk Creek #2*	2/28	42	11.3	13.7	11.9	2/21	3.10	- -	- -	- -	- -	
Chalk Creek #3	2/28	29	7.0	8.4	6.5	2/28	1.97	1.96a	10.48	9.53a	110	
Farmington Canyon (upper)**	2/26	89	32.6	27.6	24.1	2/28	9.60	- -	- -	- -	- -	
Farmington Canyon (lower)	2/26	73	26.2	21.4	18.2	2/28	5.00	- -	27.44	- -	- -	
Farmington Guard Station						2/28	5.77	- -	28.78	- -	- -	
Francis Canyon*						2/21	3.60	- -	- -	- -	- -	
Hardscrabble*						2/21	6.50	- -	- -	- -	- -	
Horse Ridge	2/26	58	19.8	25.2	19.4	2/26	4.71	- -	21.56	- -	- -	
Kilfore Creek	2/26	43	11.3	- -	12.6b							
Lost Creek Reservoir	2/26	24	6.4	9.9	- -	2/26	1.89	- -	9.55	- -	- -	
Park City Summit	3/3	85	33.6	31.3	- -							
Parley's Canyon Summit	2/28	60	20.0	19.8	15.5	2/28	5.00	4.08	22.41	18.16	123	
Redden Mine (lower)	2/28	50	14.3	15.5	15.4							
Shingle Mill Flat*						2/21	5.70	- -	- -	- -	- -	
Smith & Morehouse	2/28	44	13.6	12.7	11.9	2/28	4.07	3.32	13.70	14.94	92	

SNOW

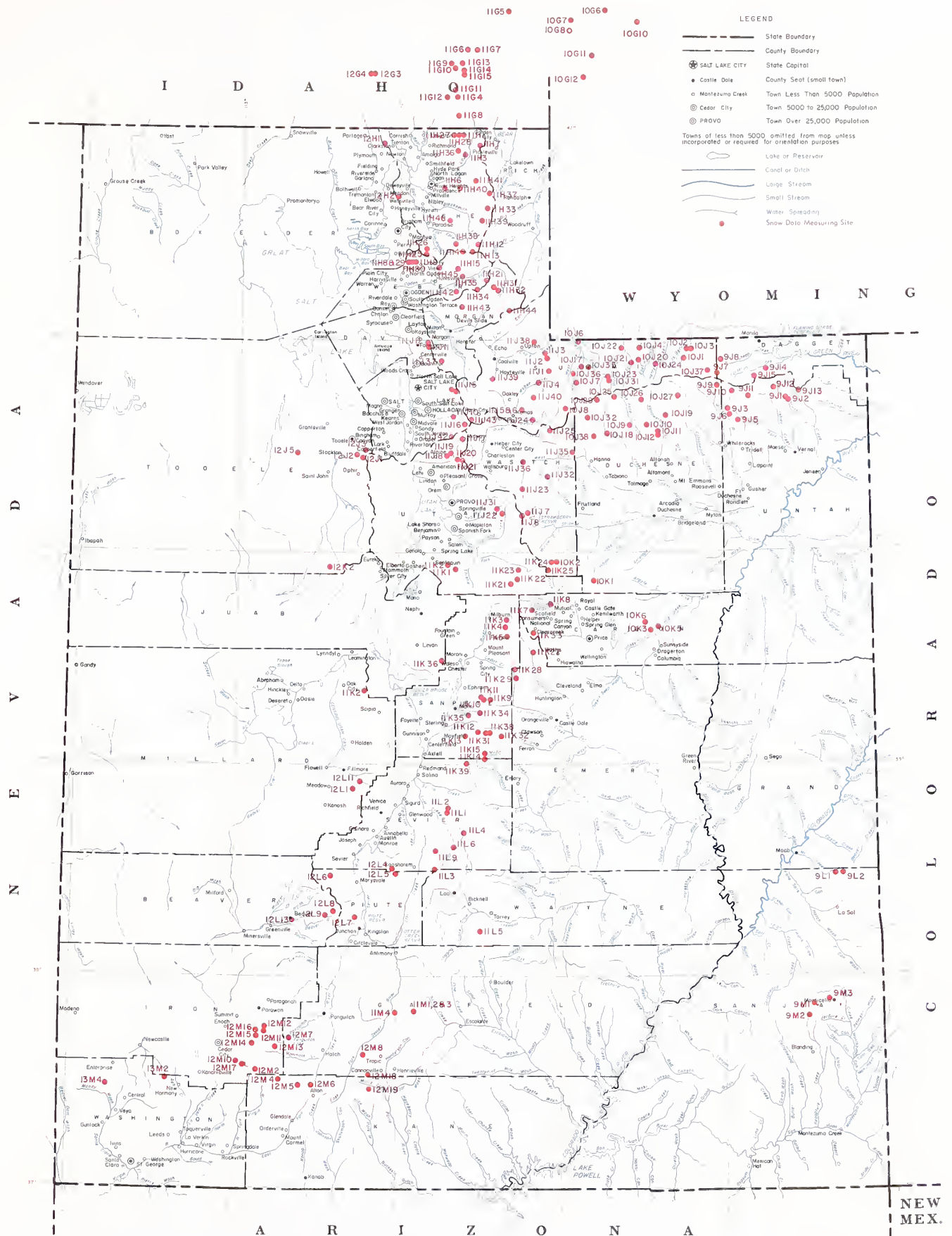
DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST RECORD		PRECIPITATION (Inches)					
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)		CURRENT INFORMATION			FROM APPROX. OCT. 1 TO DATE		
				Last Year	Average †	Date of Reading	Month's Precipitation	Average †	This Year	Average †	Percent of Average
NAME											
PROVO RIVER & UTAH LAKE											
Camp Altamont	2/27	47	15.2	11.5	12.5						
Clear Creek Ridge #1	2/25	51	16.4	18.9	14.9						
Clear Creek Ridge #2	2/25	42	12.3	15.4	11.1	2/25	2.00	2.78	12.10	12.52	97
Clear Creek Ridge #3	2/25	29	8.1	9.6	6.9						
Dutchman Ranger Station	2/27	58	18.6	17.2	15.1	2/27	4.80	- -	20.05	17.82	112
Hobble Creek Summit	2/26	44	13.7	15.9	11.6	2/26	3.10	- -	14.90	13.88	107
Packard Canyon	2/26	35	10.4	12.9	8.6						
Payson Ranger Station	2/24	46	13.4	18.3	14.6	2/24	- -	3.64	12.30	14.63	84
Rock Bridge	2/24	38	11.2	13.9	10.0						
Soapstone Ranger Station	2/28	43	12.4	13.1	11.3	2/28	3.35	3.03	14.97	13.22	113
South Fork Ranger Station	2/27	36	12.0	8.5	4.9						
Timpanogos Cave Camp	2/27	14	4.4	3.3	2.2						
Timpanogos Divide	2/27	62	21.2	16.8	20.2	2/28	5.90	4.37	21.85	21.09	103
Trial Lake	2/28	67	19.3	22.2	20.5	2/28	4.65	4.34	20.17	19.26	105
JORDAN RIVER & SALT LAKE											
Deseret Peak*						2/21	5.10				
Lamb's Canyon	2/28	52	15.7	17.6	13.0						
Lamb's Canyon #2	2/28	50	15.9	17.3	- -						
Middle Canyon - Tooele	3/1	39	13.3	17.3	11.3	3/1	3.00	3.52b	- -	- -	- -
Mill Creek	2/27	60	19.5	21.4	- -						
Mill D South Fork	2/27	61	21.0	21.8	16.8						
Silver Lake (Brighton)	2/27	61	19.6	22.6	19.6						
Vernon Creek	2/23	30	8.2	9.4	- -	2/23	2.50	- -	12.13	- -	- -
UPPER SEVIER RIVER (South of Richfield, Utah)											
Box Creek	2/26	37	10.4	14.2	10.1	2/26	- -	- -	10.78	- -	- -
Bryce Canyon	2/26	14	4.0	3.9	3.6						
Castle Valley	2/27	35	9.2	9.4	11.2	2/27	- -	- -	10.48	11.86	88
Duck Creek Ranger Station	2/26	33	9.4	9.3	11.3	2/26	2.90	3.18b	11.00	14.23	77
Farview	2/27	24	7.0	6.5	- -						
Harris Flat	2/26	17	5.4	6.1	6.9						
Kimberly Mine	2/21	50	10.3	16.0	11.5	2/21	4.50	- -	10.50	- -	- -
Midway Valley	2/26	48	14.8	14.6	17.5	2/26	3.60	- -	13.60	- -	- -
Panguitch Lake	2/27	8	2.0	3.5	3.6	2/27	- -	- -	5.58	5.95b	94
Rainbow Point	2/27	26	7.0	5.1	- -						
Squaw Springs	2/26	23	6.1	8.8	6.1						
Widtsøe Escalante Summit	2/26	18	5.1	6.3	5.7						
Widtsøe Escalante #2	2/26	28	6.3	6.1	7.3						
Widtsøe Escalante #3	2/26	32	7.4	7.7	8.9b	2/26	2.37	2.53	10.46	10.37	101
Widtsøe Ranger Station						2/26	1.03	- -	4.39	- -	- -
LOWER SEVIER (Including San Pitch)											
Beaver Dams	2/26	35	10.8	14.7	9.5	2/26	- -	- -	12.70	- -	- -
Farnsworth Lake	2/25	56	16.3	22.0	14.2	2/25	4.35	3.93	14.85	14.76	101
G.B.R.C. Headquarters	2/28	43	14.0	17.8	13.1	2/28	2.60	- -	13.45	- -	- -
G.B.R.C. Majors						2/28	1.20	- -	6.67	- -	- -
G.B.R.C. Meadows	2/28	60	21.2	26.0	19.5	2/28	3.60	- -	17.83	- -	- -
G.B.R.C. Oaks						2/28	1.55	- -	8.83	- -	- -
Gooseberry Ranger Station	2/25	42	11.5	17.2	9.4	2/25	2.20	- -	9.65	- -	- -
Mammoth R. S.-Ctnwood Creek	2/27	56	19.4	21.1	16.4b	2/27	4.20	3.76b	17.25	15.35b	112
Mt. Baldy Ranger Station	2/26	62	20.3	27.4	17.8	2/26	- -	- -	15.20	13.86b	110
Pickle Keg	2/21	53	14.0	- -	- -						
Ree's Flat	2/24	37	9.8	14.3	9.6	2/24	- -	- -	10.10	- -	- -
Shingle Mill	2/27	31	8.7	11.6	7.1b	2/27	2.26	2.59b	12.24	10.73b	114
Pine Creek	3/5	35	12.4	21.1	12.6	3/5	- -	- -	15.49	17.64	88
BEAVER RIVER											
Beaver Canyon Power House						2/28	.75	1.92	5.57	7.08	79
Beaver Race Track	2/24	0	0.0	0.0	- -						
Big Flat	2/24	43	12.2	14.8	13.2	2/24	2.60	3.43	10.96	12.90	85
Merchant Valley	2/24	34	8.6	11.5	6.9	2/24	2.18	2.83a	9.61	10.82a	89
Otter Lake	2/24	36	9.4	13.4	10.9						
PAROWAN CREEK											
Birch Crossing	2/25	24	6.1	7.8	- -						
Brian Head	2/25	52	14.6	17.6	- -						
Ed Ward Flat	2/24	29	7.0	9.3	6.0						
Tall Poles	2/25	42	11.2	13.2	- -	2/25	3.30	2.49a	11.25	14.71a	76
Yankee Reservoir	2/25	30	6.6	9.9	7.5	2/25	5.05	- -	9.45	9.13b	104

SNOW

SNOW	THIS YEAR				PAST RECORD		PRECIPITATION (Inches)					
	DRAINAGE BASIN and/or SNOW COURSE NAME	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)		CURRENT INFORMATION			FROM APPROX. OCT. 1 TO DATE		
					Last Year	Average †	Date of Reading	Month's Precipitation	Average †	This Year	Average †	Percent of Average
<u>COAL CREEK</u>												
Cedar City Golf Course	2/26	0	0.0	- -	- -							
SUSC Ranch	2/26	16	4.3	7.6	- -							
<u>ENTERPRISE TO NEW HARMONY DRAINAGES</u>												
Little Grassy Creek	2/27	10	3.9	5.9	3.1b	2/27	3.85	- -	10.65	11.25	95	
Long Flat	2/27	22	6.3	8.0	4.9	2/27	4.80	- -	10.50	8.61b	122	
<u>COLORADO RIVER BASIN</u>												
<u>UPPER GREEN RIVER - UTAH</u>												
Black's Fork Junction	2/28	32	8.3	10.0	8.2b	2/28	.65	----	8.00	9.25b	86	
Black's Fork G.S.-East Fork	2/28	34	8.5	8.8	7.5b	2/28	1.60	- -	10.25	9.43b	109	
Burnt Creek	2/21	18	3.1	5.1	- -	2/26	2.70	1.06b	6.41	7.53b	85	
Grizzly Ridge	2/19	29	6.3	6.0	- -	2/19	.80	1.93b	7.46	11.24b	66	
Hewinta G. S.	2/28	32	7.2	9.9	7.4b	2/28	.61	- -	9.26	9.95b	93	
Hickerson Park	2/21	14	2.6	6.8	5.1b	2/21	2.80	- -	6.88	6.65a	103	
Highline Trail	2/20	40	8.8	- -	- -	2/20	- -	- -	7.35	- -	- -	
King's Cabin (lower)	2/19	21	5.5	3.8	7.2							
King's Cabin (upper)	2/19	28	6.8	5.9	8.4	2/19	3.10	2.50	8.45	9.10	93	
Spirit Lake	2/21	39	9.1	9.6	10.0b	2/21	- -	- -	10.66	11.51b	93	
Steel Creek Park	2/28	50	12.6	15.9	13.0							
Trout Creek	2/20	25	4.6	- -	- -	2/20	2.65	- -	5.05	- -	- -	
<u>DUCHESNE RIVER</u>												
Currant Creek	2/25	32	8.2	- -	- -	2/25	2.05	- -	11.80	- -	- -	
Daniels-Strawberry Summit	2/25	40	12.4	13.8	12.2	2/25	3.32	3.39	14.89	14.60	102	
East Portal	2/27	39	10.3	12.2	9.6	2/27	3.34	3.20b	14.39	15.68	92	
Indian Canyon	2/25	40	10.9	7.5	10.2	2/25	3.20	2.18b	13.75	11.25b	122	
Lakefork Mountain	2/27	36	9.2	8.5	9.4	2/27	2.13	2.13	12.05	10.22	118	
Lakefork Mountain #2	2/27	25	5.4	4.4	6.8							
Lakefork Mountain #3	2/27	21	4.3	4.2	5.6							
Mosby Mountain	2/24	30	6.9	4.8	8.3	2/24	1.80	1.98a	10.50	9.16a	115	
Paradise Park	2/24	34	10.3	6.6	10.1	2/24	2.00	2.23b	11.15	12.95b	86	
Strawberry Divide	2/27	56	15.8	18.5	16.2							
<u>PRICE RIVER</u>												
Dry Valley Divide	2/28	34	9.7	11.0	9.4							
Gooseberry Reservoir	2/27	53	17.6	20.6	15.3	2/27	4.00	3.94	17.30	15.00	115	
Jones Ranch	2/28	26	7.1	8.3	6.0							
Mud Creek #2	2/28	43	11.6	11.9	11.0	2/28	3.48	2.74b	12.71	11.60	110	
White River #1	2/27	43	11.8	13.4	11.2	2/27	3.10	2.41	12.41	14.28	87	
White River #2	2/27	32	8.6	10.5	7.9							
White River #3	2/27	30	9.8	10.8	7.2							
<u>SAN RAFAEL RIVER</u>												
Buck Flat	2/25	50	14.9	17.0	13.4	2/25	4.05	3.97	17.05	14.29	119	
Huntington-Horseshoe	2/27	56	21.0	- -	- -							
Orange Olson	2/26	13	3.0	4.6	- -	2/26	1.40	1.65	7.60	7.93	96	
Red Pine Ridge	2/26	48	14.7	17.1	14.7	2/26	3.30	4.42	18.50	16.82	110	
Rush Pone	2/25	49	13.1	14.1	11.6							
Seeley Creek R. S.	2/28	33	10.6	16.4	13.0							
Upper Joe's Valley	2/26	37	9.8	11.0	8.8							
Wrigley Creek	2/25	42	10.4	9.9	9.5							
<u>MUDDY CREEK</u>												
Black's Fork	2/24	41	11.1	15.8	- -							
Dill's Camp	2/24	36	9.1	14.7	- -	2/24	- -	- -	12.55	- -	- -	
<u>FREMONT RIVER</u>												
Black's Flat-U.M. Creek	2/25	37	10.8	12.1	8.6	2/25	- -	- -	10.52	9.34	113	
Fish Lake	2/25	27	7.2	12.8	5.5	2/25	- -	- -	8.75	7.54b	116	
Johnson Valley	2/25	24	6.1	10.3	5.2							

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR			PAST RECORD		PRECIPITATION (Inches)					
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)		CURRENT INFORMATION			FROM APPROX. OCT 1 TO DATE		
				Last Year	Average †	Date of Reading	Month's Precipitation	Average †	This Year	Average †	Percent of Average
<u>MILL CREEK</u>											
LaSal Mountain (lower)	2/27	30	7.4	11.1	7.0						
LaSal Mountain (upper)	2/27	42	11.2	18.0	11.7b	2/27	- -	- -	10.05	12.26b	82
<u>SAN JUAN RIVER</u>											
Buckboard Flat	2/26	42	10.9	9.9	10.0	2/26	- -	- -	16.12	15.00	107
Camp Jackson	2/26	44	12.9	11.4	9.5	2/26	- -	- -	16.45	13.40b	123
Monticello City Park	2/28	2	0.6	0.0	- -						
<u>VIRGIN RIVER</u>											
Kolob Crystal	2/28	52	15.0	- -	- -						
Long Valley Junction	2/26	11	2.3	4.2	3.4						
Webster Flat	2/26	37	11.1	13.3	12.0b	2/26	3.75	3.92	14.40	15.67	92
a - Partly Estimated b - Average of all past record - less than 15 years + - 1958-72 Average * - USU-SCS Cooperative Reading ** - SCS Radio Reading											



SNOW COURSES AND RELATED DATA MEASURING SITES

UTAH

1974



USGS National Atlas 1:1,000,000 Albers Equal-Area projection (1967) used as source for base map and adopted for SCS use.

20 0 20 40
SCALE 1:1,500,000
ALBERS EQUAL AREA PROJECTION

INDEX TO UTAH, BEAR & UPPER COLORADO RIVER BASINS

GREAT BASIN DRAINAGE

GREAT BASIN DRAINAGE													
NO.	STATE	NAME	SEC	TWP.	RGE.	ELEV.	NO.	STATE	NAME	SEC	TWP.	RGE.	ELEV.
UPPER BEAR RIVER (above Harer, Idaho)													
10G11	W	Big Park	19	27N	117W	8,700	1212	U	Bevan's Cabin	24	4S	4W	6,450
10G12	W	Big Park	19	27N	117W	7,900	1215	U	Esmeral Peak	13	3N	7W	9,250
10G7	W	CCC Camp x	9	29N	108W	7,500	1111P	U	Fanning Canyon (lower)	13	3N	7E	9,250
10J36P	U	Golden Hill	11	1N	9E	10,000	11111	U	Fanning Canyon (upper)	26	3N	1E	6,000
10J7P	U	Hayden Fork	25	1N	9E	9,400	11141P	U	Lamb's Canyon #2	21	1S	3E	7,400
10G12	W	Kelly Ranger Station	13	26N	118W	8,200	1213P	U	Middle Canyon	8	4S	3W	7,400
10J25P	U	Lily Lake	34	2N	10E	9,300	11110	U	Mill D South Fork	18	2S	3E	7,400
11H12P	U	Monte Cristo R.S.	4	8N	4E	8,960	1211P	U	Rocky Basin-Settlement Canyon	30	4S	3W	8,900
10G10	W	Piney Labarge x	19	29N	114W	8,820	11116P	U	Silver Lake (Brighton)	35	2S	3E	8,725
10G6	W	Poison Meadows x	29	30N	116W	8,500	11142	U	Snow Bird (God Valley)	18	3S	3E	10,000
10G8P	W	Salt River Summit x	32	29N	118W	7,900	12K2P	U	Vernon Creek	21	10S	5W	7,500
10J7P	U	Stillwater Camp	32	2N	10E	8,550							
LOWER BEAR RIVER (below Harer, Idaho)													
11H37P	U	Bug Lake	18	11N	5E	7,950	12L4P	U	Box Creek	33	26S	2W	9,800
11H36P	U	Bunchgrass	13	13N	3E	8,400	12M8	U	Byrce Canyon	36	36S	4W	8,000
11G11	U	Christensen Ranch	27	13S	41E	5,600	12M13P	U	Castle Valley	23	36S	8W	9,700
11H38P	U	Cinnamon Creek	5	8N	3E	7,300	12M4P	U	Duck Creek R.S.	11	38S	4W	8,700
11H12P	U	Clarkston Mountain	29	14N	2W	6,300	12M18	U	Ferriev	32	37S	4W	8,200
11G12	U	Cub River Ranger Station	15	13S	41E	5,400	12M5	U	Harris Flat	24	38S	7W	7,700
11H33P	U	Gorris Creek	12	10N	4E	8,450	11L9P	U	High-Top Mountain	36	25S	1E	11,400
11G3P	U	Deer Springs	34	10N	4E	8,450	12L6P	U	Kimberly Mine	11	27S	5W	9,800
11G3P	U	Deer Springs	34	10N	4E	8,450	12M2M	U	Midway Valley	4	36S	7W	8,200
11G4P	U	Dry Creek Flat	30	13S	37E	6,353	12M19	U	Rainbow Point	26	36S	7W	8,200
12G4	U	Dry Creek Flat	31	13S	37E	6,353	12L5	U	Sandwich Springs	23	38S	2W	9,500
11G7	U	Emigration Summit	21	12S	42E	6,500	11M4P	U	Widroe R.S.	22	34S	2W	7,600
11G8P	U	Emigration Canyon (mouth)	1	16S	41E	8,000							
11H7MP	U	Franklin Basin	34 & 35	14N	4E	7,600							
11H40P	U	Garden City Summit	24	11N	2W	6,400							
11H40P	U	Herd Canyon	4	11N	3E	7,000							
11G15P	U	Horseshoe Basin	31	13S	42E	8,000	11K13P	U	Beaver Dam	27	19S	3E	8,000
11H15P	U	Klamodike Narrows	10	14N	3E	7,400	11K11P	U	Grasshopper Lake	27 & 33	23S	2E	9,900
11G13	U	Liberty Springs	17	13S	42E	8,240	11K10	U	G.R.C. Headquarters	27 & 33	23S	2E	9,900
11H26	U	Little Bear (lower)	15	8N	1E	6,000	11L2P	U	G.R.C. Meadows	26 & 27	17E	4E	10,000
11H23P	U	Little Bear (upper)	15	8N	1E	6,000	11K34P	U	Gooseberry R.S.	22	23S	2E	8,400
11H23P	U	Little Bear (upper)	15	8N	1E	6,000	11K34P	U	Mammoth R.S.-Cottonwood Creek	13	13S	5E	8,800
12G3	U	Logan Mountain	32	13N	2E	9,000	11K12P	U	Middle Fork	16	18S	4E	9,500
11H46P	U	Paradise Canyon	32	13S	37E	6,800	11K2P	U	Mt. Baldy R.S.	19	19S	4E	9,500
11G5	U	Slug Creek Divide	15	10S	44E	7,225	11K39PT	U	Oak Creek	9	17S	3W	7,760
11H27	U	Steep Hollow #1	7	14N	3E	8,500	12L1P	U	Pickle Keg Springs	4	21S	3E	9,600
11H28	U	Steep Hollow #2	9	14N	3E	7,700	11K36	U	Pine Creek	24	22S	4W	8,700
11G9	U	Strawberry Creek	9	13S	41E	5,800	12L13P	U	Rees's Flat	20	15S	2E	7,300
11G10	U	Strawberry Mink Divide	14	13S	41E	6,800	12L11P	U	Shingle Mill	5	22S	3W	6,200
11H3M	U	Tony Grove Ranger Station	11	13N	3E	6,250	11K35	U	Thistle Flat	23	18S	3E	8,500
11H41P	U	Trigara Springs	29	12N	4E	7,600							
11G4P	U	Willow Flat	2	13S	41E	6,100							
ODGEN RIVER													
11H14M	U	Beaver Creek-Skunk Creek	22	8N	3E	7,150	12L13	U	Beaver Race Track	23	29S	7W	6,020
11H8P*	U	Ben Lomond Peak	3	7N	1W	8,000	12L7PT	U	Big Flat	18	29S	4W	10,290
11H9P	U	Ben Lomond (lower)	1	7N	1W	6,000	12L8P	U	Merchant's Valley	8 & 9	29S	5W	8,200
11H30P	U	Cowsey Dam	2	7N	1W	6,000	12L8	U	Other Lake	1	29S	5W	9,300
11H35P	U	Cowsey Dam	34	7N	1W	6,000							
11H32P	U	Crozier Creek	7	7N	4E	6,800	12M16	U	Brich Crossing	23	35S	9W	8,100
11H32MP	U	Dryland Pond	21	6N	4E	8,050	12M14	U	Brian Head	10	36S	9W	10,000
11H34P	U	Magdalen's Peak	21	6N	4E	8,050	12M12	U	Ed Wood Flat	17	35S	9W	8,300
11H42P	U	Middle Fork Ogden	29	6N	3E	7,700	12M19P	U	Tail Poles	26 & 35	35S	9W	8,800
11H45P	U	Middle Fork Ogden	16	7N	2E	8,420	12M11P	U	Yonkee Reservoir	20	35S	8W	8,700
11H15P	U	Sagebrush Flat	21	7N	3E	6,300							
WEBER RIVER													
11J24	U	Beaver Creek R.S.	28	2S	7E	7,500	12M17	U	CSU Ranch	18	37S	9W	8,200
11J1P	U	Chalk Creek #1	4	1N	8E	9,100	12M10	U	Urie Flat	11	37S	10W	8,450
11J2MP	U	Chalk Creek #2	17 & 20	2N	8E	7,900							
11J3MP	U	Chalk Creek #3	2	2N	8E	7,400							
11H44P	U	Francis Canyon	29	5N	6E	7,500							
11J37P	U	Hardscramble	16	2N	3E	6,500							
11H43P	U	Hoodoo Knoll	22	5N	3E	8,350							
11H21PT	U	Horse Ridge	1	6N	4E	8,260							
11H31P	U	Killbore Creek	20	6N	5E	7,300							
11H32P	U	Lost Creek	27	6N	5E	6,125							
11J43	U	Park City Smr.	20	2S	4E	9,300							
11J15PT5*	U	Parley's Canyon Summit	5	1S	3E	7,500							
11J38P	U	Porcupine	22	2S	4E	8,500							
11J35P	U	Ridden Mine (upper)	1	2S	4E	8,500							
11J39P	U	Sageant Lakes	17	1N	5E	9,000							
11J4P	U	Smith & Morehouse	25	1S	7E	7,900							
COLORADO RIVER DRAINAGE													

COLORADO RIVER DRAINAGE

PROVO RIVER & UTAH LAKE										UPPER GREEN RIVER IN UTAH (above Duchesne River)									
11J20	U	Camp Altamont	29	45	3E	7,300	9J11aP	U	Ashley Twin Lakes	20	1S	19E	10,500						
11K21	U	Clear Creek Ridge #1	18	11S	6E	9,200	10J21P	U	Black's Fork G.S. -East Fork	25	2N	12E	9,300						
11K22P	U	Clear Creek Ridge #2	18	11S	6E	9,200	10J22P	U	Black's Fork Junction	33	3N	12E	9,700						
11K23P	U	Clear Creek #3	27	10S	8E	8,000	10J23a	U	Buck Pasture	14	1N	11E	9,700						
11J23MP	U	Clear Creek #4	20	2S	12W	8,600	10J24aP	U	Henry's Fork	29	2N	14E	10,000						
11J27P	U	Duck Creek Cherry Summit	20	2S	12W	8,600	9J11bP	U	Hewitt's G.S.	33	3N	13E	9,500						
11J30P	U	Duck Creek R.S.	27	3S	3E	7,560	9J18P	U	Hickerson Park	24	1N	19E	10,200						
11J27P	U	East Portal	36	7S	6E	7,560	9J15p	U	Highline Trail-Red	24	1N	19E	10,200						
11J22P	U	Hobble Creek Summit	27	7S	5E	7,420	10J1	U	Hole-in-the-Rock	13	2N	15E	9,150						
11J36P	U	Lake Creek	36	4S	6E	9,100	9J12	U	Hole-in-the-Rock (G.S.)	32	3N	16E	8,300						
11J31	U	Packard Canyon	21	7S	5E	6,400	9J2	U	King's Cabin (lower)	23 & 26	3S	16E	8,600						
11K1P	U	Payson R.S.	30	10S	3E	8,050	9J1P	U	King's Cabin (upper)	22	1S	21E	8,730						
11K2	U	Rock Bridge	14	10S	2E	6,750	10J37P	U	McCoy Park	6	1N	17E	10,680						
11J25P	U	Sagehen R.S.	9	3S	8E	7,800	10J2	U	Middle Beaver Creek	31	3N	16E	8,550						
11J19	U	South Fork R.S.	24	4S	2E	6,100	9J10aP	U	Reynolds Park	9	1S	18E	10,400						
11J8	U	Strawberry Divide	34 & 35	7S	6E	5,000	9J7P	U	Spirit Lake	10	1N	17E	10,300						
11J18P	U	Timpanogas Cave Camp	27	4S	2E	5,000	10J20p	U	Steel Creek Park	17	2N	13E	9,900						
11J21P	U	Timpanogas Divide	33	4S	8E	8,140	10J31P	U	Takewanno Peak	23	1N	11E	9,800						
10J8P	U	Triol Lake	5	2S	9E	9,800	9J120p	U	Windy Park	1	1S	20E	9,400						

LEGEND

Numbering System (example)

10J7

Snow Course Only

10J7P

Snow Course and Precipitation Gage

10J7W

Snow Course and Soil Moisture Station

10J7PA

Snow Course - Soil Moisture Station and Aerial Marker

10J7PB

Snow Course - Soil Moisture Station and Precipitation Gage

10J7Pb

Soil Moisture Station Only

10J7a

Aerial Marker Only

10J7b

Soil Moisture Station Gage Only

10J7c

Adjusted Gage

1017	Snow Course Only.
1017P	Snow Course and Precipitation Gage
1017M	Snow Course and Soil Moisture Station.
1017A	Snow Course and Aerial Marker.
1017B	Snow Course, Soil Moisture Station and Aerial Marker.
1017bp	Snow Course, Soil Moisture Station and Precipitation Gage.
1017a	Soil moisture Station Only.
1017m	Serial Marker Only.
1017s	Storage Precipitation Gage Only.
1017p	Adjacent Orange
x	

Agencies Cooperating in Utah Snow Surveys

U. S. GOVERNMENT AGENCIES

U. S. Department of Agriculture
Soil Conservation Service
Forest Service
U. S. Department of Commerce
NOAA, National Weather Service
U. S. Department of Interior
Bureau of Reclamation
Geological Survey
National Park Service

STATE AGENCIES

Utah State University
Utah Fish and Game Department
Utah State Department of Natural
Resources, Division of Water Rights
Bear River Commissioner
Price River Commissioner
Provo River Commissioner
Sevier River Commissioners
Spanish Fork River Commissioner
Utah Lake and Jordan River Commissioner

MUNICIPALITIES

Manti
Salt Lake City

ORGANIZED PUBLIC AGENCIES

Beaver River Water Users Association
Board of Canal Presidents - Jordan River
Emery Canal and Reservoir Company
Moon Lake Water Users Association
Ogden River Water Users Association
Provo River Water Users Association
Strawberry Water Users Association
Sevier River Water Users Association

PRIVATE AGENCIES

Kaiser Steel Corporation

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*"The Conservation of Water begins
with the Snow Survey"*

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